

What is claimed is:

1. A Hangul character input program running on a computer for inputting a Hangul character that consists of an initial sound component and a medium sound component with or without a final sound component, said program comprising:

a step for allowing a reference to an initial sound component table that stores initial sound components divided into groups, a medium sound component table that stores medium sound components divided into groups, a two-component Hangul character table that stores two-component Hangul characters, each of which is a combination of initial and medium sound components, that are divided into groups according to combinations of the group of the initial sound component and the group of the medium sound component, and a three-component Hangul character table that stores three-component Hangul characters, each of which is a combination of a two-component Hangul character and a final sound component, that are divided into groups according to the two-component Hangul character included therein;

a first specifying step for specifying one group of initial sound components stored in said initial sound component table;

a second specifying step for specifying one group of medium sound components stored in said medium sound component

table;

a third specifying step for specifying one of two-component Hangul characters extracted from said two-component Hangul character table in response to combinations of the initial sound components in the group specified at said first specifying step and the medium sound components in the group specified at said second specifying step, or specifying one group of the three-component Hangul characters among the groups extracted from said three-component Hangul character table in response to said two-component Hangul characters extracted from said two-component Hangul character table; and

a fourth specifying step for specifying one of three-component Hangul characters included in the group of the three-component Hangul character specified at said third specifying step, said fourth specifying step being optionally executed when the group of the three-component Hangul character is specified at said third specifying step.

2. The Hangul character input program according to claim 1, wherein said three-component Hangul character table includes:

a lax three-component Hangul character table that stores groups of lax three-component Hangul characters that are combinations of two-component Hangul characters with lax final sound components each of which has the same shape as a lax

initial sound component, and

a un-lax three-component Hangul character table that stores groups of un-lax three-component Hangul characters that are combinations of two-component Hangul characters with un-lax final sound components each of which has a different shape from a lax initial sound component,

wherein one of said two-component Hangul characters, one group of lax three-component Hangul characters extracted from said lax three-component Hangul character table in response to said two-component Hangul characters or one group of un-lax three-component Hangul characters extracted from said un-lax three-component Hangul character table in response to said two-component Hangul characters is specified at said third specifying step, and

wherein one of lax three-component Hangul characters in the group specified at said third specifying step or one of un-lax three-component Hangul characters in the group specified at said third specifying step is specified at said fourth specifying step.

3. A Hangul character input device for inputting a Hangul character that consists of an initial sound component and a medium sound component with or without a final sound component, said device comprising:

an input portion;

an initial sound component table that stores initial sound components divided into groups;

a medium sound component table that stores medium sound components divided into groups;

a two-component Hangul character table that stores two-component Hangul characters, each of which is a combination of initial and medium sound components, that are divided into groups according to combinations of the group of the initial sound component and the group of the medium sound component;

a three-component Hangul character table that stores three-component Hangul characters, each of which is a combination of a two-component Hangul character and a final sound component, that are divided into groups according to the two-component Hangul character included therein;

a controller that executes

a first specifying step for specifying a group of initial sound components in response to information input by said input portion;

a second specifying step for specifying a group of medium sound components in response to information input by said input portion;

a third specifying step for specifying one of two-component Hangul characters extracted from said two-component Hangul character table in response to combinations of the initial sound components in the group specified at said

first specifying step and the medium sound components in the group specified at said second specifying step, or specifying one group of the three-component Hangul characters among the groups extracted from said three-component Hangul character table in response to said two-component Hangul characters extracted from said two-component Hangul character table; and

a fourth specifying step for specifying one three-component Hangul character among the three-component Hangul characters included in the group extracted from said three-component Hangul character table in response to the specified group of the three-component Hangul character, said fourth specifying step being optionally executed when the group of the three-component Hangul character is specified at said third specifying step.

4. A Hangul character input method for inputting a Hangul character that consists of an initial sound component and a medium sound component with or without a final sound component to an information processing device, said method comprising:

a first stage for dividing initial sound components into groups and specifying a group of initial sound components;

a second stage for dividing medium sound components into groups and specifying a group of medium sound components;

a third stage for specifying one of two-component Hangul characters consisting of the combinations of the initial and

medium sound components specified at said first and second stages or one group of the three-component Hangul characters that include said specified combinations and final sound components; and

a fourth stage for specifying one of three-component Hangul characters included in the group specified at said third stage, said fourth stage being optionally executed when the group of the three-component Hangul character is specified at said third stage.

5. A computer media with a Hangul character input program running on a computer for inputting a Hangul character that consists of an initial sound component and a medium sound component with or without a final sound component, said program comprising:

a step for allowing a reference to an initial sound component table that stores initial sound components divided into groups, a medium sound component table that stores medium sound components divided into groups, a two-component Hangul character table that stores two-component Hangul characters, each of which is a combination of initial and medium sound components, that are divided into groups according to combinations of the group of the initial sound component and the group of the medium sound component, and a three-component Hangul character table that stores three-component Hangul

characters, each of which is a combination of a two-component Hangul character and a final sound component, that are divided into groups according to the two-component Hangul character included therein;

a first specifying step for specifying one group of initial sound components stored in said initial sound component table;

a second specifying step for specifying one group of medium sound components stored in said medium sound component table;

a third specifying step for specifying one of two-component Hangul characters extracted from said two-component Hangul character table in response to combinations of the initial sound components in the group specified at said first specifying step and the medium sound components in the group specified at said second specifying step, or specifying one group of the three-component Hangul characters among the groups extracted from said three-component Hangul character table in response to said two-component Hangul characters extracted from said two-component Hangul character table; and

a fourth specifying step for specifying one of three-component Hangul characters included in the group of the three-component Hangul character specified at said third specifying step, said fourth specifying step being optionally executed when the group of the three-component Hangul character

is specified at said third specifying step.

6. A Hangul character input program running on a computer having an input portion with buttons for inputting a Hangul character that consists of an initial sound component and a medium sound component with or without a final sound component, said program comprising:

a step for allowing a reference to a first table that stores initial sound components divided into groups, a second table that stores medium sound components divided into groups, a third table that stores two-component Hangul characters each of which is a combination of initial and medium sound components and groups of three-component Hangul characters divided according to said combination, a fourth table that stores three-component Hangul characters whose final sound component has the same shape as a lax initial sound component, and a fifth table that stores three-component Hangul characters whose final sound component has a different shape from a lax initial sound component, wherein said three-component Hangul characters in said fourth and fifth tables are grouped according to said combination;

a step for assigning said groups of initial sound components to said buttons, respectively, and for specifying a group of initial sound components corresponding to the hit button when any button is hit;



a step for assigning said groups of medium sound components to said buttons, respectively, and for specifying a group of medium sound components corresponding to the hit button when any button is hit;

a step for searching said third table with the specified combinations of the initial and medium sound components to extract two-component Hangul characters consisting of said specified combinations and said groups of three-component Hangul characters that include said specified combinations;

a step for assigning said two-component Hangul characters and said groups extracted from said third table to said buttons;

a step for confirming an input of the Hangul character when a button assigned to any Hangul character is hit;

a step for extracting three-component Hangul characters of the group assigned to the hit button from said fourth or fifth table when a button assigned to any group is hit; and

a step for confirming an input of the Hangul character when a button assigned to any three-component Hangul character is hit.

7. The Hangul character input program according to claim 6, wherein a keystroke of the button to which one of said groups is assigned immediately confirms the three-component Hangul character when said group includes only one three-component

Hangul character.

8. The Hangul character input program according to claim 6 running on said computer further comprising a display, wherein said display indicates,

said groups of initial sound components at the positions corresponding to said buttons when said groups of initial sound components are assigned to said buttons,

said groups of medium sound components at the position corresponding to said buttons when said groups of medium sound components are assigned to said buttons,

said two-component Hangul characters and symbols representing said groups of three-component Hangul characters at the positions corresponding to said buttons when they are extracted from said third table, and

said three-component Hangul characters at the position corresponding to said buttons when said three-component Hangul characters are extracted from said fourth or fifth table.

9. The Hangul character input program according to claim 8, wherein said display indicates a three-component Hangul character instead of said symbol and a keystroke of the button to which said three-component Hangul character is assigned confirms the three-component Hangul character when said group represented by said symbol includes only one three-component

Hangul character.

10. The Hangul character input program according to claim 8, wherein said display indicates the three-component Hangul characters that do not include doublet final sound components extracted from said fifth table at the positions corresponding to said buttons when the button assigned to said group of the three-component Hangul characters that are combinations of said two-component Hangul character with final sound components each of which has a different shape from lax initial sound components is hit, and a keystroke of the button assigned to one of said three-component Hangul characters confirms an input of said three-component Hangul character, and

wherein said display indicates the three-component Hangul characters that include doublet final sound components extracted from said fifth table at the positions corresponding to said buttons when the predetermined button other than said buttons assigned to said three-component Hangul characters is hit, and a keystroke of the button assigned to one of said three-component Hangul characters confirm an input of said three-component Hangul character.

11. A Hangul character input device for inputting a Hangul character that consists of an initial sound component and a medium sound component with or without a final sound component,

said device comprising:

- a plurality of buttons;

- a first memory that stores initial sound components divided into groups;

- a second memory that stores medium sound components divided into groups;

- a third memory that stores two-component Hangul characters each of which is a combination of initial and medium sound components and groups of three-component Hangul characters divided according to said combination;

- a fourth memory that stores three-component Hangul characters whose final sound components each of which has the same shape as a lax initial sound component;

- a fifth memory that stores three-component Hangul characters whose final sound components each of which has a different shape from a lax initial sound component; and

- a controller that executes

- a step for assigning said groups of initial sound components to said buttons, respectively, with reference to said first memory and specifying a group of initial sound components corresponding to the hit button when any button is hit,

- a step for assigning said groups of medium sound components to said buttons, respectively, with reference to said second memory and for specifying a group of medium sound

components corresponding to the hit button when any button is hit,

a step for searching said third memory to extract two-component Hangul characters consisting of the combinations of the specified initial and medium sound components and the groups of three-component Hangul characters that include said specified combinations,

a step for assigning said two-component Hangul characters and said groups extracted from said third memory to said buttons,

a step for confirming an input of the Hangul character when a button assigned to any two-component Hangul character is hit,

a step for extracting three-component Hangul characters from said fourth or fifth memory and for assigning said three-component Hangul characters to said buttons when a button assigned to any group is hit, and

a step for confirming an input of the Hangul character when a button assigned to any three-component Hangul character is hit.

12. A Hangul character input method for inputting a Hangul character that consists of an initial sound component and a medium sound component with or without a final sound component to an information processing device through operations of a

plurality of buttons thereof, said method comprising:

a first stage for dividing initial sound components into groups, assigning said groups to said buttons and specifying a group of initial sound components corresponding to the hit button when any button is hit;

a second stage for dividing medium sound components into groups, assigning said groups to said buttons and specifying a group of medium sound components corresponding to the hit button when any button is hit;

a third stage for assigning two-component Hangul characters consisting of the combinations of the initial and medium sound components specified at said first and second stages and the groups of three-component Hangul characters that include said specified combinations and final sound components to said buttons, for confirming an input of the Hangul character when a button assigned to any two-component Hangul character is hit, for extracting three-component Hangul characters that are included in the groups corresponding to the hit button when the button assigned to any symbol is hit, for assigning the extracted three-component Hangul characters to said buttons and for confirming an input of the three-component Hangul character when a button assigned to any three-component Hangul character is hit.

13. A computer media with a Hangul character input program

running on a computer comprising an input portion with buttons for inputting a Hangul character that consists of an initial sound component and a medium sound component with or without a final sound component, said program comprising:

a step for referring a first table that stores initial sound components divided into groups, a second table that stores medium sound components divided into groups, a third table that stores two-component Hangul characters each of which is a combination of initial and medium sound components and groups of three-component Hangul characters divided according to said combination, a fourth table that stores three-component Hangul characters whose final sound component has the same shape as a lax initial sound component, and a fifth table that stores three-component Hangul characters whose final sound component has a different shape from a lax initial sound component, wherein said three-component Hangul characters in said fourth and fifth tables are grouped according to said combination;

a step for assigning said groups of initial sound components to said buttons, respectively, and for specifying a group of initial sound components corresponding to the hit button when any button is hit;

a step for assigning said groups of medium sound components to said buttons, respectively, and for specifying a group of medium sound components corresponding to the hit

button when any button is hit;

a step for searching said third table with the specified combinations of the initial and medium sound components to extract two-component Hangul characters consisting of said specified combinations and said groups of three-component Hangul characters that include said specified combinations;

a step for assigning said two-component Hangul characters and said groups extracted from said third table to said buttons;

a step for confirming an input of the Hangul character when a button assigned to any Hangul character is hit;

a step for extracting three-component Hangul characters of the group assigned to the hit button from said fourth or fifth table when a button assigned to any group is hit; and

a step for confirming an input of the Hangul character when a button assigned to any three-component Hangul character is hit.